	Product Information CDM42-1	Manufacturer	CNP
		Address	Yuhang District, Hangzhou, Zhejiang,
		Contact	86-571-88637351
		Date	2022/07/26
Project Name		Client Name	DPA
Item NO		Client Addr.	
		Contacts	Alireza
		Contact	

Part NO.	1100104978
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Product Picture	Note
	<p>CDM/CDMF pumps are new generation, high efficiency, non-self-priming vertical multistage centrifugal pumps (Abbr. as pumps). It referred to European standard, adopted entirely new industrial design, efficiency achieved $MEI \geq 0.7$. It is energy saving, low noise, environment friendly, compact design, beautiful shape, light weight, easy for service, high reliability.</p>

Nameplate parameters

flow	42 m ³ /h
head	20 m
Efficiency	69.8
speed	2900
number of stages	1

technology

Pump rotator speed	2900
Nameplate standards	CE
Pump version	2

Material

Impeller	304
Rubber code	P
Inlet&outlet chamber	304
Material Code	S

Installation


Connection Code	F
Maximum Pressure/Temperatur	25 bar / 120 °C
Maximum Pressure/Temperatur	25 bar / -15 °C
Flange Standard	DIN
Pressure Class	PN25-40
Inlet & outlet	DN80

Medium

Medium Temperature normal	-15°C+70°C
Medium Temperature high t	-15°C+120°C
Maximum Environment Temper	40°C

Motor

Number of Motor Phase	Three Phase
Protection Class	IP55
Insulation Class	F
Motor Power	4KW
Power Frequency	50HZ
Rated Voltage (V)	380V
Rated Current (A)	7.8A
Energy Efficiency Level	IE3

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Seal

Mechanical Seal CDLA-22/WBF14

Others

Weight (kg) 90





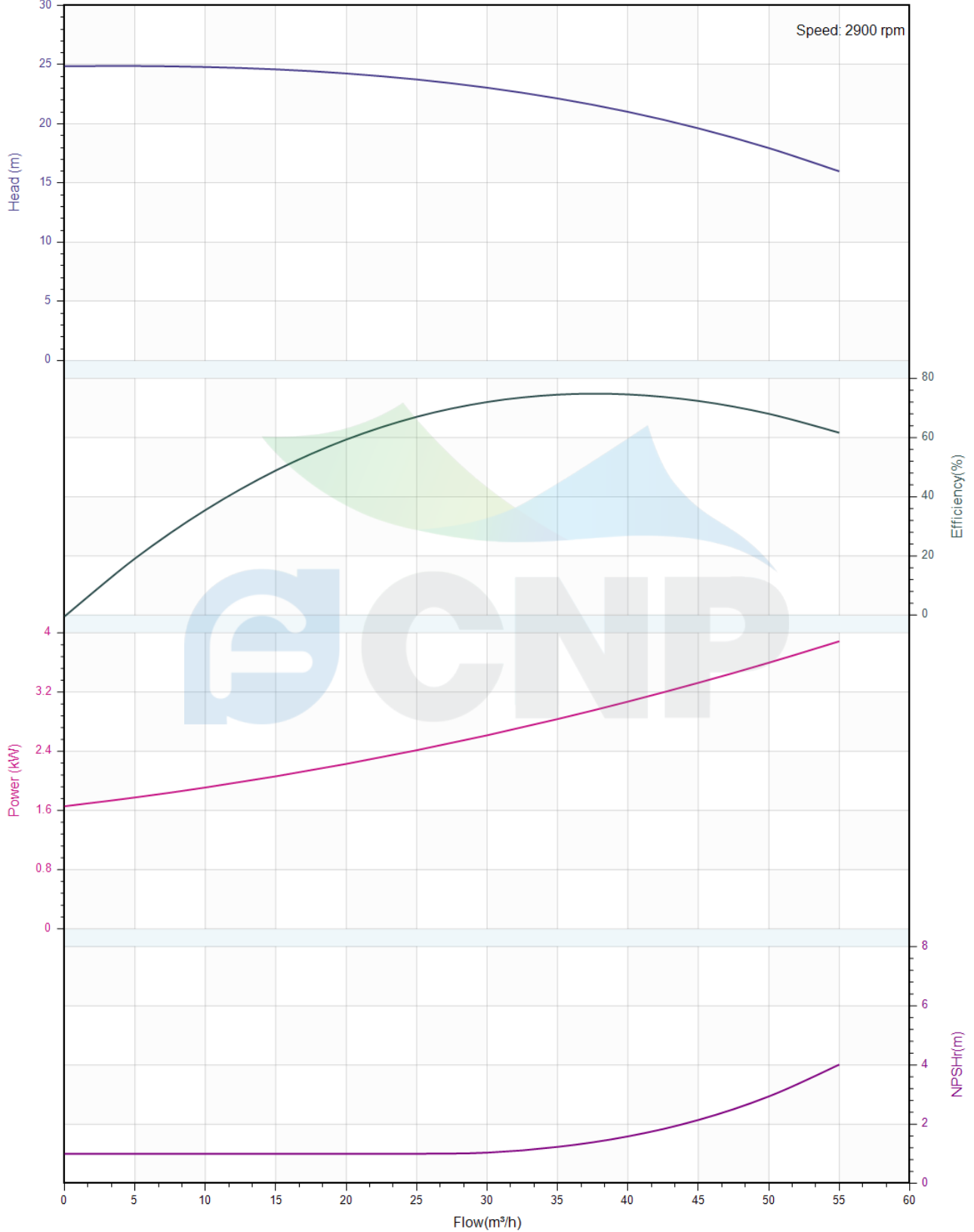
Performance Curve CDM42-1

Manufacturer	CNP
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The hydraulic performance curve have been tested with Clean Water at 20°C, density 1000kg/m³, and at 1bar atmospheric pressure. GB32162016 Grande 3B





Pump Technical Parameters

CDM42-1

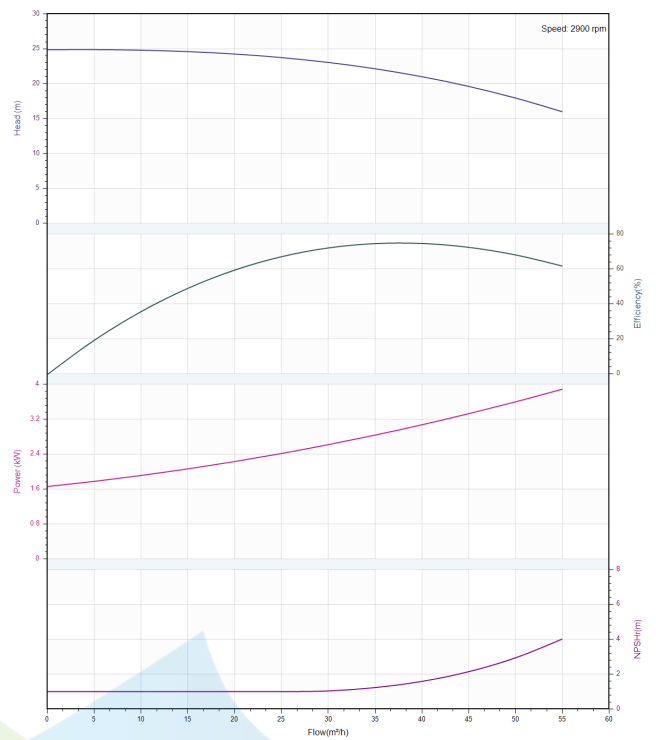
Manufacturer	CNP
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Rated parameters

Pump model	CDM42-1
Part NO.	1100104978
Rated flow	42 m ³ /h
Rated head	20 m
Rated efficiency (%)	69.8
Power (kW)	3.28
NPSHr (m)	2.5
Speed (rpm)	2900
Max impeller diameter (mm)	136

Medium

Pumped medium	Clean Water
Working temperature (°C)	20
Medium density (kg/m ³)	1000
Viscosity (mm ² /s)	1





Structure picture
CDM42-1

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- | | |
|------------------------------|-----------------------------|
| 1, Coupling Guard | 20, Flange |
| 2, Hex socket head screw | 21, Circlip |
| 3, Pump head | 25, Stay bolt |
| 4, Diffuser | 26, Inlet & outlet chamber |
| (no with single-stage pump) | COLF type |
| 4a, Support diffuser | 26b, Inlet & outlet chamber |
| (Not for 1 or 2 stages pump) | COL type |
| 4b, Neck ring base assembly | 28, Drainage screw |
| 5, Coupling | 29, Screw |
| 5a, Inducer | 30, O ring |
| 6, Base plate | 34, Mechanical seal |
| 7, Bracket | 36, Air vent nut |
| 8, Hex socket head screw | 37, O ring |
| 9, Hex socket head screw | 38, Air vent screw |
| 10, Seal cover | 39, Screw |
| 11, Nut | 39a, Nut |
| 11a, Flat washer | 39b, Washer |
| 13, Hex socket head screw | 40, Motor |
| 13a, Flat washer | 44, Washer |
| 14, Strap | 45, Hex socket head screw |
| 15, Impeller nut | 46, Adjusting rubber |
| 15a, Impeller nut | 47, Bottom bearing |
| for support diffuser | 47a, Bottom sleeve |
| (Not for 1 or 2 stages pump) | 49, Small impeller |
| 16, Cone | 49a, Impeller |
| 17, Intermediate bearing | 49b, Ring for |
| (Not for 1 or 2 stages pump) | 50a, Top diffuser |
| 18, Cover | 51, Shaft |
| 19, Flat washer | 55, Cylinder |
| 19a, Hex socket head screw | |



Physical picture
CDM42-1

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